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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE 09/901,549 Application Number Substitute for Form 1449A/PTO July 9, 2001 Filing Date INFORMATION DISCLOSURE STATEMENT BY APPLICANT Masakuni IWANAGA First Named Inventor 2621 Group Art Unit SOUS L'O AGA Examiner Name 01410/LH Attorney Docket Number Sheet U.S. PATENT DOCUMENTS Kind Name of Patentee or Publication Relevant Cite No¹ Document Number Code² Applicant Date MM-DD-YYYY Portion Inits RECEIVED

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Technology Center 2600 FOREIGN PATENT DOCUMENTS Kind Publication Name of Patentee or Relevant Exam Cite Code⁵ Т⁶ Document Number4 Date MM-DD-YYYY Inits' No1 $Offc^3$ Applicant Portion EΡ 0 508 845 A2 NIPPON TELEGRAPH & 10-14-1992 Muc TELEPHONE CORP. Examiner Date

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